



-J02912

# INSTRUCTIONS

REV. 2006-04-09

## PASSING LAMP/DIRECTIONAL SIGNAL RELOCATION KIT

### GENERAL

#### Kit Number

69079-04, 69080-04

#### Models

These kits fit 2002 and later FLSTF and 2006 and later FLST models.

**Kit 69079-04 is for North American models.**

**Kit 69080-04 is for International models.**

#### Additional Parts Required

Auxiliary lamp kit (part number 69287-05) must be installed prior to installation of this kit.

### WARNING

**The rider's safety depends upon the correct installation of this kit. Use the appropriate service manual procedures. If the procedure is not within your capabilities or you do not have the correct tools, have a Harley-Davidson dealer perform the installation. Improper installation of this kit could result in death or serious injury. (00333a)**

#### NOTE

*This instruction sheet references Service Manual information. A Service Manual for your model motorcycle is required for this installation and is available from a Harley-Davidson Dealer.*

#### Kit Contents

See Figure 10 and Table 1.

### INSTALLATION

1. Remove the seat according to the procedure in the applicable Service Manual.

### WARNING

**To prevent accidental vehicle start-up, which could cause death or serious injury, disconnect negative (-) battery cable before proceeding. (00048a)**

### WARNING

**Disconnect negative (-) battery cable first. If positive (+) cable should contact ground with negative (-) cable connected, the resulting sparks can cause a battery explosion, which could result in death or serious injury. (00049a)**

2. Disconnect battery cables, negative cable first.

### WARNING

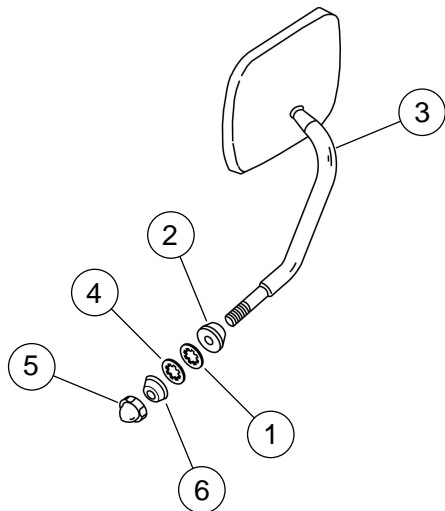
**Stop the engine when refueling or servicing the fuel system. Do not smoke or allow open flame or sparks near gasoline. Gasoline is extremely flammable and highly explosive, which could result in death or serious injury. (00002a)**

#### NOTE

*There are two possible methods of connecting the directional signal wires; using the 6-place connector, or by splicing the wires using connectors supplied in the kit.*

*If the splicing method is selected, it will not be necessary to remove the fuel tank. However, the splices will be visible. Proceed to Step 4.*

3. Remove the fuel tank according to the procedure in the appropriate Service Manual.
4. See Figure 1. Remove the existing right directional signal according to the procedure in the appropriate Service Manual. Save the internal-tooth lockwasher (1) and spacer (2).
5. Place the internal-tooth lockwasher (1) and spacer (2) (saved in Step 4) on the mirror shaft, and install the mirror (3) in the mounting bracket. Secure the mirror using an internal-tooth lockwasher (4) and acorn nut (5) (both supplied in the kit).  
*If the acorn nut (5) "bottoms" without tightening, add a spacer (6) from the kit in the location shown.*
6. Repeat Steps 4 and 5 for the left directional signal.



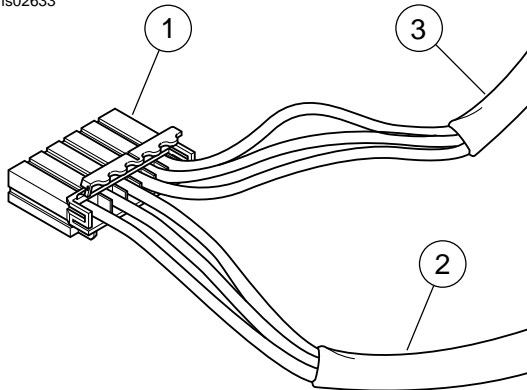
1. Internal-tooth lockwasher
2. Spacer
3. Mirror
4. Internal-tooth lockwasher
5. Acorn nut
6. Spacer

**Figure 1. Install Mirror Hardware**

7. Remove and retain the lenses and bulbs from both direction signal housings.
8. See Figure 2. Disconnect or cut the directional signal wires:

**Connector Method:** Locate the directional signal 6-place connector (1), located under the fuel tank, and disconnect the connector from the main vehicle harness. Record the location of the directional signal wires in the connector. Remove the directional wires (2 and 3) from the connector.

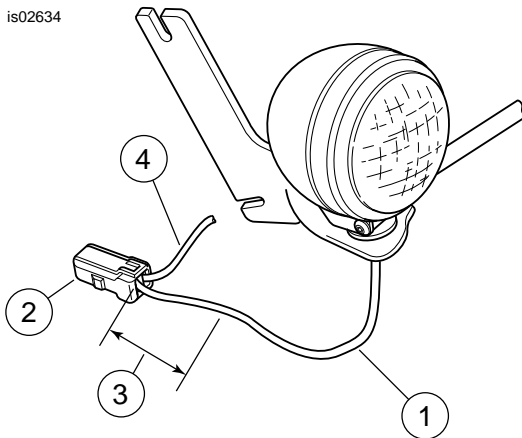
**Wire Splicing Method:** Trace the directional signal wires back to where they exit from under the fuel tank. Label the wires according to which directional signal they are routed to. Cut the wires leaving approximately 2-3 inches (50-75 mm) of wire extending from the point where the wires exit under the tank.



1. Directional signal connector
2. Right directional signal wires
3. Left directional signal wires

**Figure 2. Disconnect Directional Signal Wire from the 6-Place Connector**

9. See Figure 3. Trace the right passing lamp wire (1) back to the connector (2), and cut the wire approximately 2-3 inches (50-75 mm) (3) from the connector. Repeat for the left passing lamp wire (4).



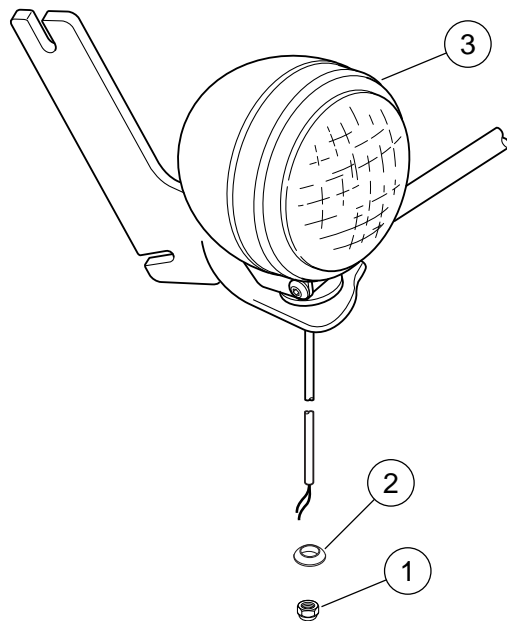
1. Right passing lamp wire
2. Connector
3. 2-3 inches (50-75 mm)
4. Left passing lamp wire

**Figure 3. Cut the Passing Lamp Wires**

**NOTE**

*Hold the passing lamp in place when the acorn nut is removed.*

10. See Figure 4. Remove the acorn nut (1) and spacer (2) from the passing lamp (3). Retain the spacer, and discard the acorn nut.

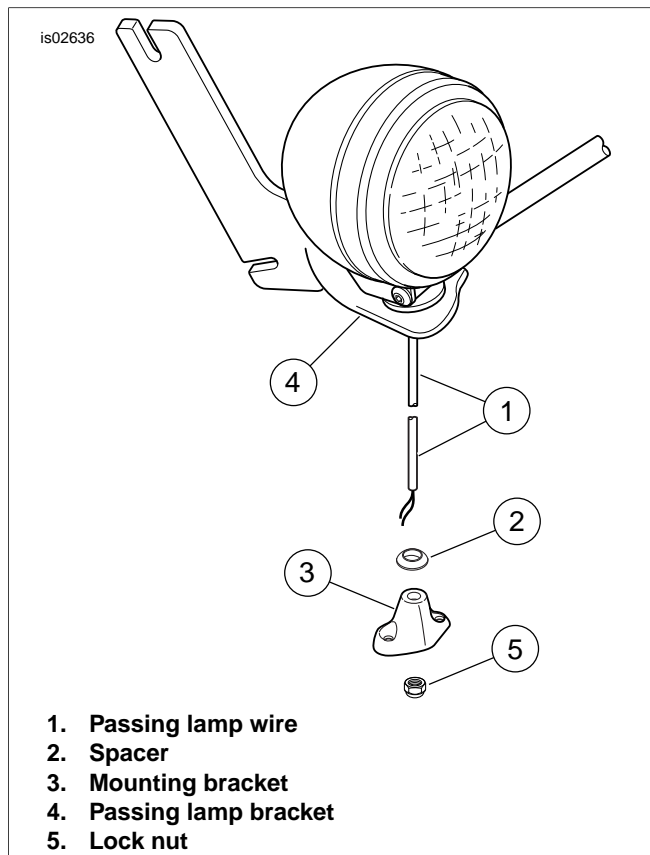


1. Acorn nut
2. Spacer
3. Passing lamp

**Figure 4. Remove the Passing Lamp Acorn Nut**

11. See Figure 5. Route the passing lamp wire (1) through the spacer (2) (saved in Step 10), and the hole at the top of the mounting bracket (3). Position the mounting bracket against the passing lamp bracket (4). Position the notch

in the mounting bracket toward the rear. Secure the mounting bracket using a lock nut (5) (supplied in the kit).

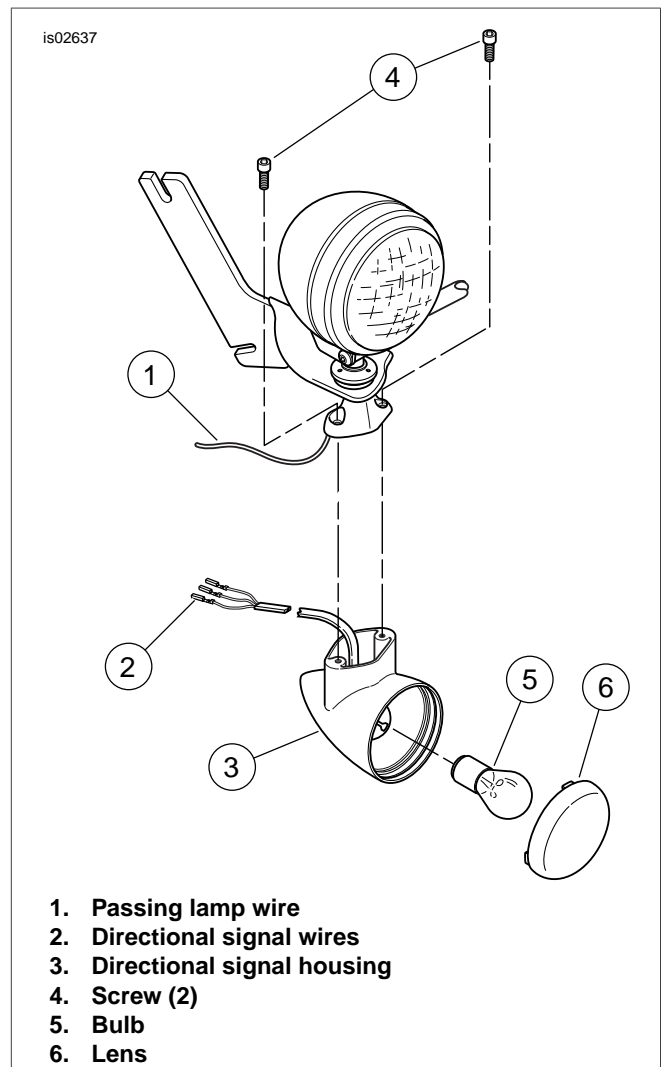


**Figure 5. Install the Mounting Bracket**

**NOTE**

See Figure 6. Make sure the passing lamp and directional signal wires (1 and 2) are routed through the notch at the rear of the mounting bracket, and are not pinched when the directional signal is installed.

12. Install the directional signal housing (3) using two screws (4) supplied in the kit.
13. Install the bulb (5) and lens (6) (saved during removal).
14. Repeat Steps 10 through 13 for the left side.
15. Route the directional signal wires to the connector. Secure the wires to the existing harnesses using cable straps.



**Figure 6. Install the Directional Signal**

**Connect Passing Lamp Wiring**

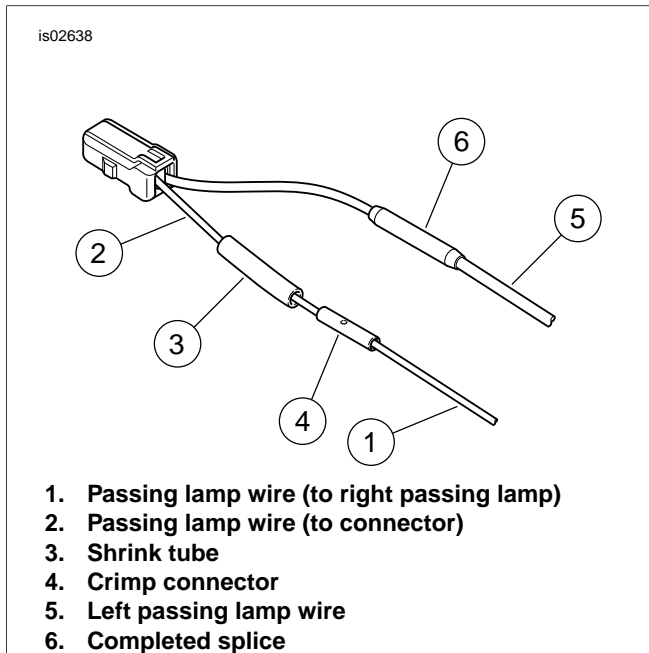
1. See Figure 7. Strip approximately 3/8 inch (10 mm) of insulation from each end of the passing lamp wires (1 and 2).
2. Slide a section of shrink tube (3) over one of the wires, and connect the passing lamp wires using a crimp connector (4). Crimp the connector using a Crimp Tool (HD-38125-8).

**WARNING**

**Be sure to follow manufacturer's instructions when using the UltraTorch UT-100 or any other radiant heating device. Failure to follow manufacturer's instructions can cause a fire, which could result in death or serious injury. (00335a)**

- Avoid directing heat toward any fuel system component. Extreme heat can cause fuel ignition/explosion resulting in death or serious injury.
- Avoid directing heat toward any electrical system component other than the connectors on which heat shrink work is being performed.
- Always keep hands away from tool tip area and heat shrink attachment.

- Slide the shrink tube (3) over the connector (4) and, using UltraTorch UT-100 (HD-39969), Robinair Heat Gun (HD-25070) with heat-shrink Attachment (HD-41183), or other suitable radiant heating device, heat the shrink tube to encapsulate the crimp connector. Let the splice (6) cool.



**Figure 7. Connect the Passing lamp Wiring**

**NOTE**

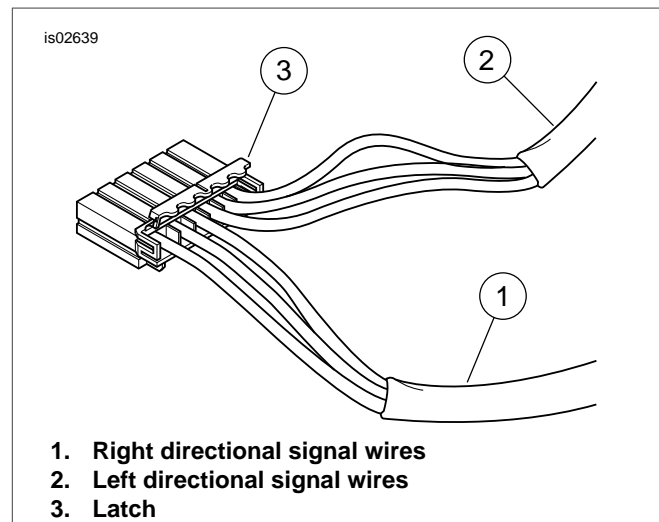
Depending on the electrical connection method (6-place connector or wire splicing) that was chosen in Step 8 of Installation, use the appropriate connection procedure that follows for your application.

**Connect Directional Signal Wiring - Using 6-Place Connector**

**NOTE**

If needed, a new 6-place connector is included in the kit.

- See Figure 8. Install the directional signal wires (1 and 2) in the same connector positions as noted during removal. After all the wires have been seated in the connector, swing the latch (3) down, to lock the wires in place.
- Connect the 6-place connector to the vehicle harness.



**Figure 8. Install Directional Signal Wires in 6-Place Connector**

- Proceed to Final Assembly.

**Connect Directional Signal Wiring - Using Splice Connectors**

- See Figure 9. Cut the terminal (1) from each of the directional signal wires.
- Strip approximately 3/8 inch (10 mm) of insulation from each end of the directional signal wires.
- Working on one pair of wires at a time, slide a section of shrink tube (2) over one end of the wires. Connect the directional signal wire to its matching wire extending from the connector (as noted during removal), using a crimp connector (3). Crimp the connector using a Crimp Tool (HD-38125-8).

**⚠ WARNING**

**Be sure to follow manufacturer's instructions when using the UltraTorch UT-100 or any other radiant heating device. Failure to follow manufacturer's instructions can cause a fire, which could result in death or serious injury. (00335a)**

- Avoid directing heat toward any fuel system component. Extreme heat can cause fuel ignition/explosion resulting in death or serious injury.
  - Avoid directing heat toward any electrical system component other than the connectors on which heat shrink work is being performed.
  - Always keep hands away from tool tip area and heat shrink attachment.
- Slide the shrink tube (2) over the crimp connector (3) and, using UltraTorch UT-100 (HD-39969), Robinair Heat Gun (HD-25070) with heat-shrink Attachment (HD-41183), or other suitable radiant heating device, heat the shrink tube to encapsulate the crimp connector. Let the splice (4) cool.
  - Repeat Steps 1 through 4 for each pair of wires.
  - Use cable straps to secure the wiring harness to the frame.

## FINAL ASSEMBLY

### **⚠ WARNING**

Stop the engine when refueling or servicing the fuel system. Do not smoke or allow open flame or sparks near gasoline. Gasoline is extremely flammable and highly explosive, which could result in death or serious injury. (00002a)

#### NOTE

Be sure that wiring harness does not get pinched between fuel tank and frame during tank installation.

1. Install the fuel tank according to the procedure in the applicable Service Manual.

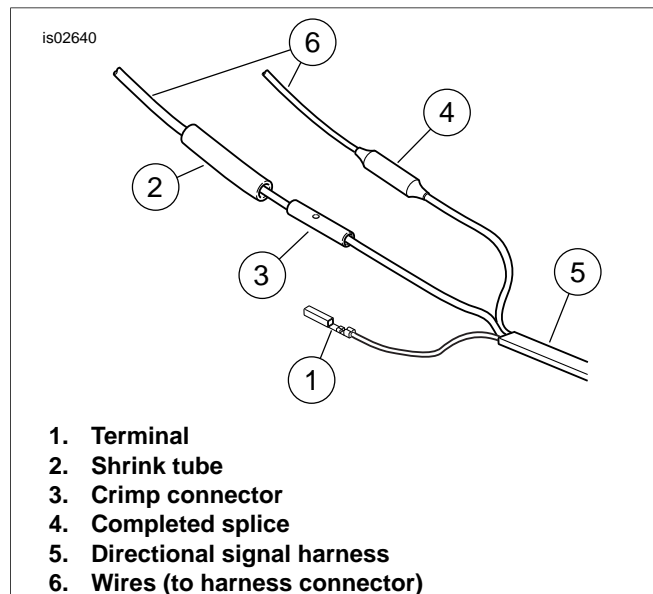


Figure 9. Splice Directional Signal Wires

### **⚠ WARNING**

Connect positive (+) battery cable first. If positive (+) cable should contact ground with negative (-) cable connected, the resulting sparks can cause a battery explosion, which could result in death or serious injury. (00068a)

2. Connect the battery cables, positive cable first.

### **⚠ WARNING**

After installing seat, pull upward on seat to be sure it is locked in position. While riding, a loose seat can shift causing loss of control, which could result in death or serious injury. (00070b)

3. Install the seat according to the procedure in the applicable Service Manual.

### **⚠ WARNING**

Be sure that all lights and switches operate properly before operating motorcycle. Low visibility of rider can result in death or serious injury. (00316a)

4. Turn ignition on and test the directional signals and passing lamps. Tighten the directional signal and passing lamp hardware.

SERVICE PARTS

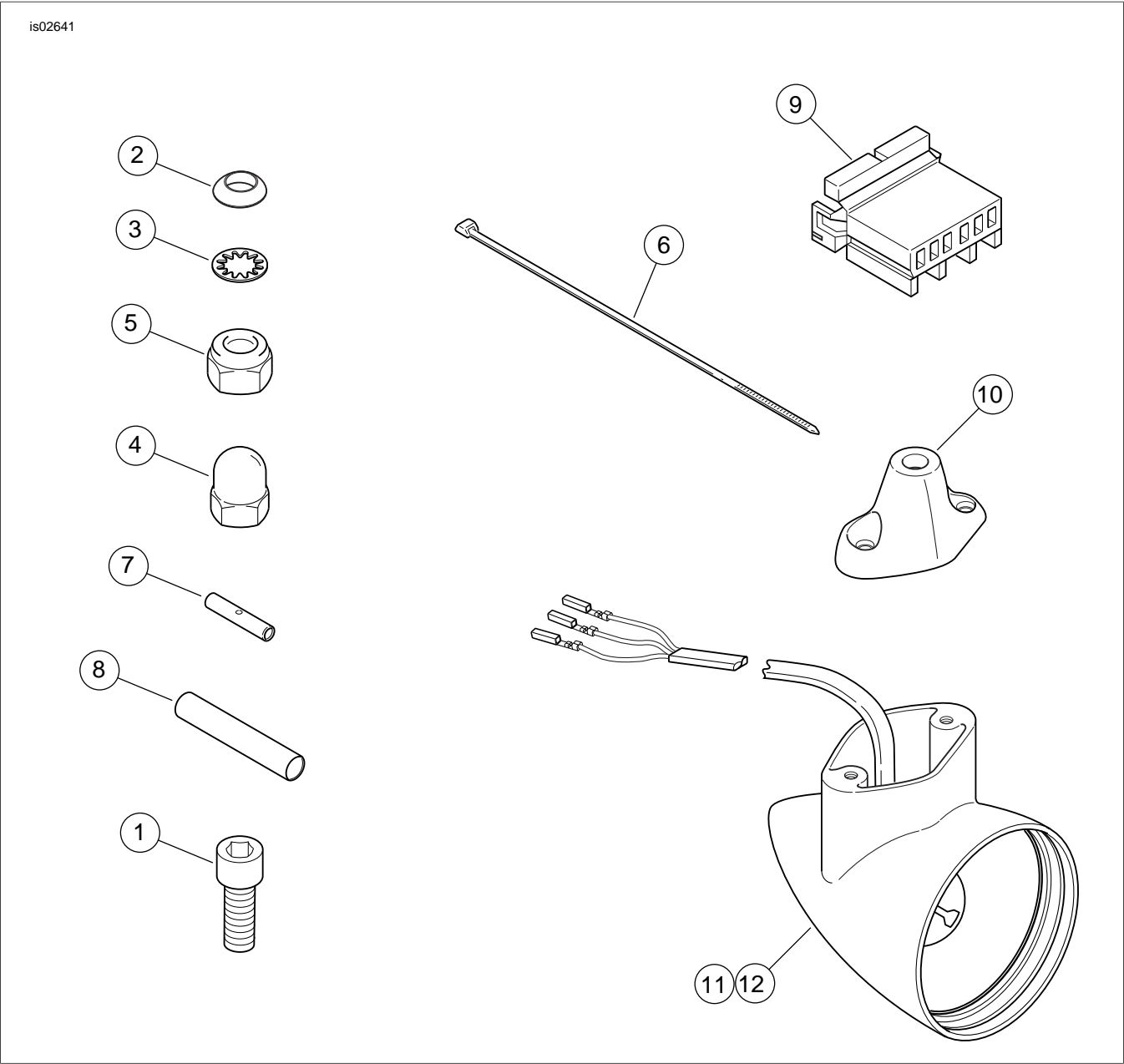


Figure 10. Service Parts: Passing/Directional Signal Relocation Kit

Table 1. Service Parts Table

Item	Description (Quantity)	Part Number	Item	Description (Quantity)	Part Number
1	Screw (4)	2647B	7	Connector (8)	70581-73
2	Spacer (2)	5774	8	Shrink tube (8)	67113-83
3	Lockwasher (2)	7127	9	Connector, 6-place	73156-96BK1
4	Nut, acorn (2)	7736	10	Mounting brackets (2)	68519-68A
5	Nut, locking (2)	7778	11	Housing assembly, directional signal, front (2) (Kit 69079-04)	69084-04
6	Cable strap (6)	10181	12	Housing assembly, directional signal, front (2) (Kit 69080-04)	69085-04